

# ABSTRACT

The invention describes a transmission component for producing chromatic dispersion which can be predetermined, having

- a glass fiber optical waveguide in which it is possible to carry not only the  $LP_{01}$  fundamental mode but also at least one  $LP_{mn}$  mode, and
- two pairs of Bragg gratings (gratings 1 and 2, as well as 3 and 4), of which at least one pair has chirped Bragg gratings,

in which the first Bragg grating in each pair reflects the arriving light beam back to the other Bragg grating in a direction approximately opposite the incidence direction, and from which other Bragg grating the light beam emerges in, or at least parallel to, the original incidence direction.

FIGURE CAPTIONS:

Gitter = Grating

Modus = Mode

Moden-Wandlung = Mode conversion